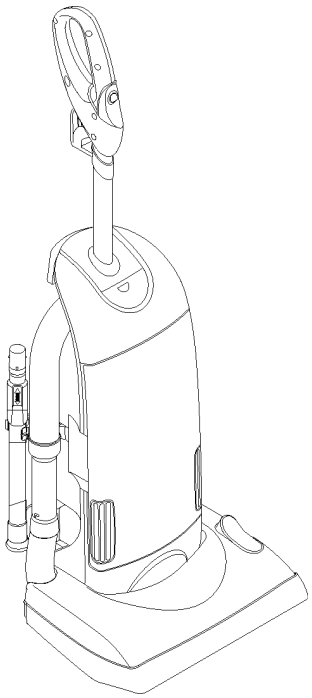
Order Number MAC0711001CE

Service Manual

Vacuum Cleaner

MC-UG775-00



Model	MC-UG775-00
Power Source	AC 120V (60 Hz)
Power Consumption	12.0 Amps
Cord Length	35 Ft.
Vac Gauge	Yes
Headlight	Yes
Attachments-Tools-On-Board	Yes
Weight	17.0 lbs.

Specifications are subject to change without notice for further improvement.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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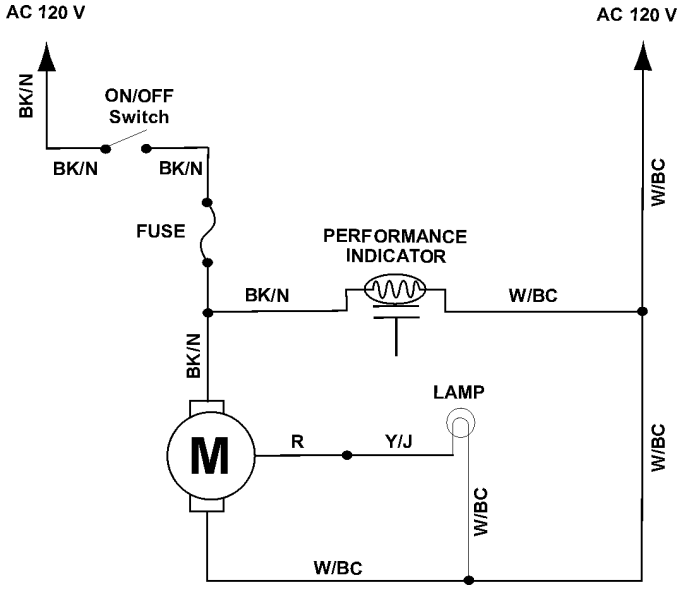
1 WIRING DIAGRAM AND DRAWING

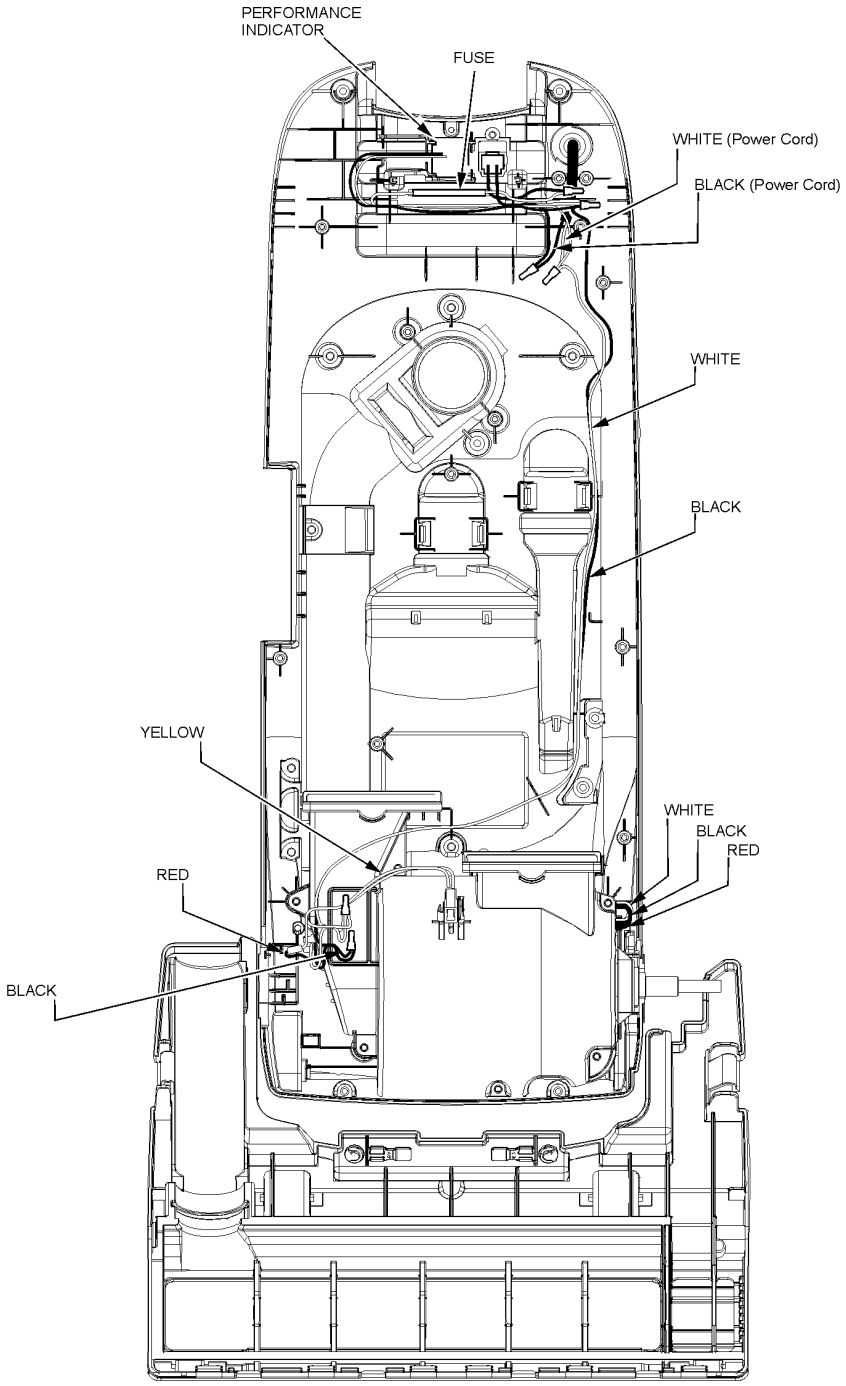
1.1. Wiring Diagram



1.2. PICTORIAL DIAGRAM

NOTE:

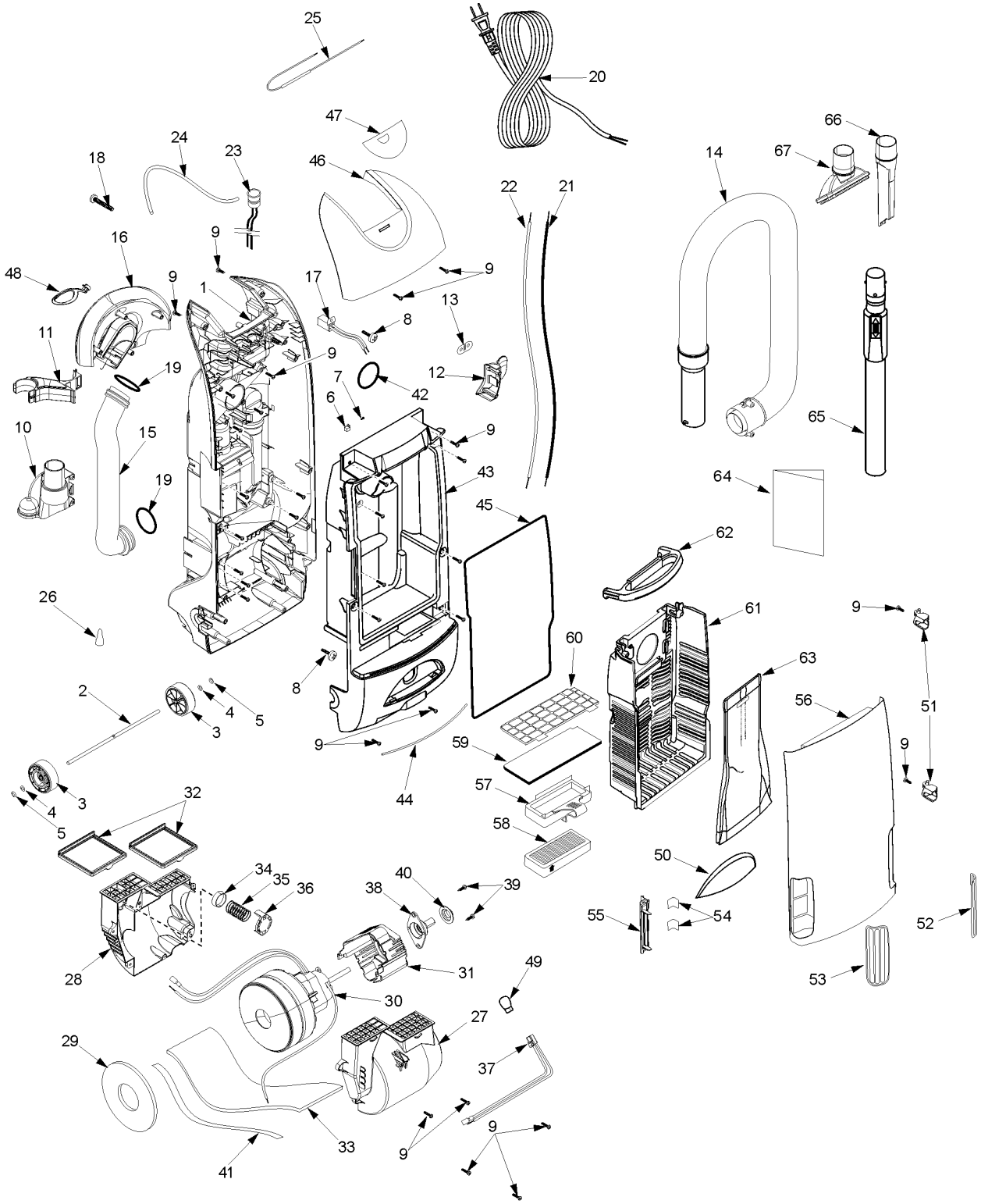
For general servicing, it is necessary to eliminate pinching of any wire during reassembly. After servicing any electrical component or electrical enclosure, the unit should be reassembled and checked for dielectric breakdown or current leakage.



2 EXPLODED VIEW AND PARTS LIST

2.1. Body

2.1.1. Exploded View



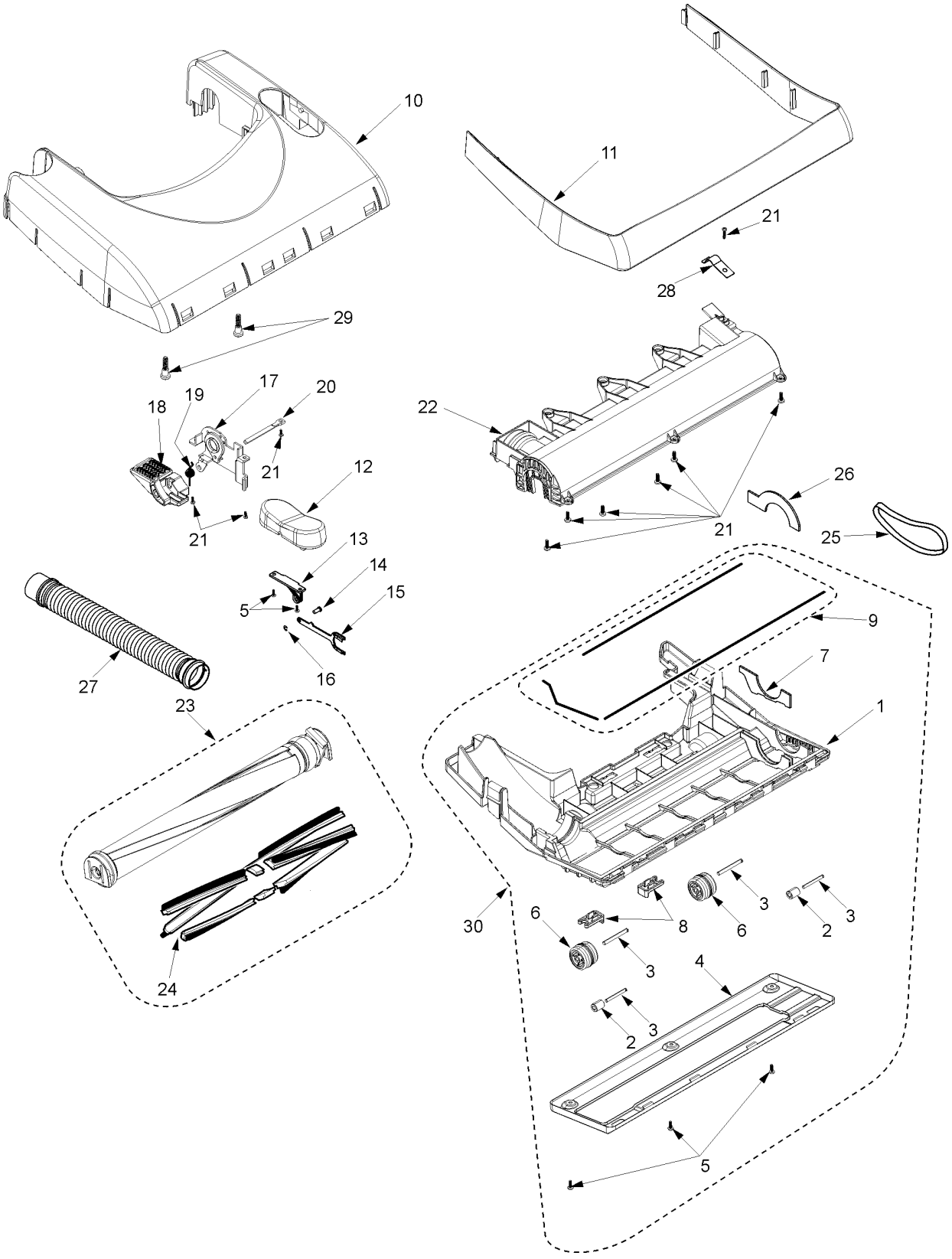
2.1.2. Parts List (Body)

Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
1	AC40KDDWZV07	DUST COMPARTMENT	1	

Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
2	AC16CDDWZ000	ROLLER SHAFT	1	
3	AC99CBSAZV06	WHEEL UNIT	2	
4	AXWG6E115FY	WASHER	2	Shipped 10 per package
5	AC74SUSZ00	STOPPER WHEEL	2	Shipped 10 per package
6	AC83DDAAZU00	LOCKING CAM	1	
7	AXTS3+8BFY	SCREW	1	Shipped 10 per package
8	AC68AZAZ00	SCREW, LOWER PLATE	2	Shipped 10 per package
9	AXTN4+16BFY	SCREW	31	Shipped 10 per package
10	AC70PDDWZV07	WAND HOLDER	1	
11	AC32RDDWZV07	ATTACHMENT HOLDER	1	
12	AC24PDDWZV07	HOSE FITTING (HOSE SUPPORT)	1	
13	AMC62E-J20	CORD STOPPER (C62EJ2)	1	
14	AC84PDDWZV07	HOSE UNIT	1	
15	AC52PDDWZV07	CONNECTOR PIPE	1	
16	AC23PDDWZV07	HOSE HOLDER	1	
17	AC45VDDXZ000	CONNECTOR PLUG UNIT	1	
18	AXTN4+45BFY	SCREW	1	
19	AC74EDDWZ000	SEAL (AIR PATH)	2	
20	AC97EAACZV06	POWER CORD 35'	1	
21	AC85GDDWZ000	BLACK LEAD WIRE UNIT	1	
22	AC85WDDWZ000	WHITE LEAD WIRE UNIT	1	
23	AC96MAKTZ000	INDICATOR LIGHT SWITCH	1	
24	AC62PAKTZ000	TUBE VAC SWITCH	1	
25	AC99WCYKZ000	LEAD ASSEMBLY FUSE	1	
26	AMC-1CTCE23	WIRE NUT	6	Shipped 10 per package
27	AC54LDDWZU01	AIR GUIDE LEFT	1	
28	AC55LDDWZU01	AIR GUIDE RIGHT	1	
29	AC4154151	SEAL-IMPELLER	1	
30	AC92FDDWZ000	FAN MOTOR UNIT	1	
31	AC26FDDWZU01	MOTOR CAP	1	
32	AC45LDDWZV07	AIR OUTLET PACKING	2	
33	AC99GAMMZ00	NOISE SUPPRESSOR	1	
34	AC69KJMZV06	PROTECTOR	1	
35	AC70KCNFZG00	PROTECTOR SPRING	1	
36	AC68KAJDZV06	PROTECTOR CASE	1	
37	AC93HDDWZ000	BULB SOCKET	1	
38	AC25SBSKZ000	FLANGE	1	
39	AXTN4+8JFY	SCREW TAPTITE	2	Shipped 10 per package
40	AC03FAFYZ00	MOTOR SUPPORT RUBBER	1	
41	AC39ADDWZ000	BODY PACKING, RIGHT	1	
42	AC64HARTZ000	SUCTION INLET PACKING	1	
43	AC60KDDWZM0J	DUST COVER (PAINTED)	1	
44	AC66KDDXZ000	DUST COMPARTMENT PACKING	1	
45	AC66KCRCZ000	DUST COVER PACKING	1	
46	AC03EDDWZM0J	SWITCH COVER (PAINTED)	1	
47	AC21TDDWZ000	ORNAMENTAL PLATE	1	
48	AC02HDDWZV07	COVER LID	1	
49	AC28GBKHZ000	LIGHT BULB	1	
50	AC21HDDWZ000	WINDOW	1	
51	AC44HDDWZV07	LID HOLDING BRACKET	2	
52	AC28LDDXZV07	AIR OUTLET GUIDE	1	
53	AC28LDDWZV07	AIR OUTLET GUIDE	1	
54	AC18DDDWZ000	SPRING, RELEASE BUTTON	2	
55	AC15KDDWZM0H	FASTENER	1	
56	AC48HDDWZMUJ	COVER (DECO)	1	
57	AC42KDDWZM0H	FILTER CASE	1	
58	AC38KBRMZ000	EXHAUST FILTER, HEPA	1	
59	AC37KDDWZ000	FILTER SECONDARY (FOAM)	1	
60	AC32KDDWZV07	FILTER SUPPORTER	1	
61	AC03KDDWZV07	BAG BRACKET	1	
62	AC64BDDWZM0H	HANDLE	1	
63	AC16KDABZ000	DUST BAG	1	
64	AC01ZDDWZ000	OPERATING INSTRUCTIONS	1	
65	AC99PDDWZV06	EXTENSION WAND UNIT	1	
66	AC60RCNFZV06	CREVICE TOOL	1	
67	AC63RDDWZV06	COMBINATION BRUSH	1	

2.2. Nozzle Housing

2.2.1. Exploded View

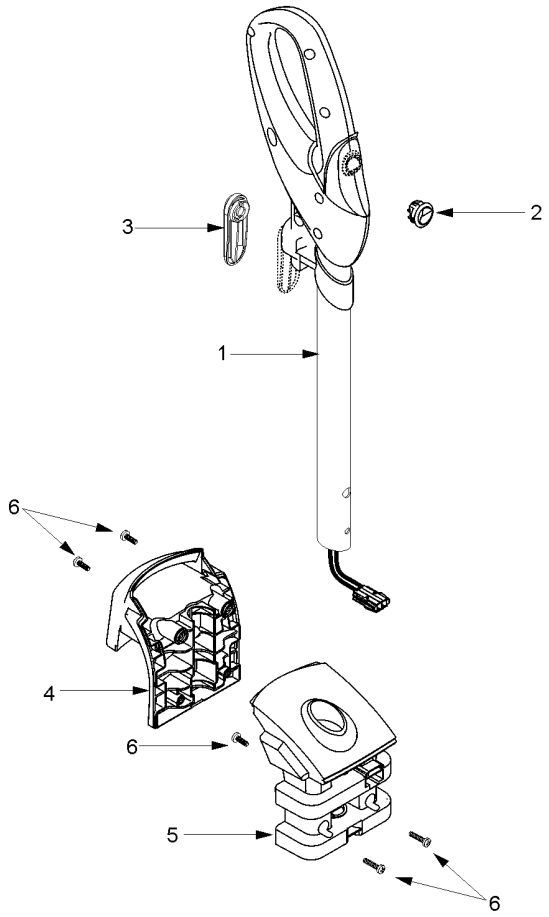


2.2.2. Parts List (Nozzle Housing)

Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
1	AC03ADDWZV07	LOWER BODY	1	
2	AC01CDDWZV07	WHEEL	2	
3	AC16CNXZ00	ROLLER SHAFT	4	
4	AC27ADDWZ000	LOWER PLATE	1	
5	AXTN4+10BFY	SCREW	5	Shipped 10 per package
6	AC99QCYBZV06	WHEEL UNIT	2	
7	AC11ADDXZ000	FELT (LOWER)	1	
8	AC68NCYZZV06	LATCH	2	
9	AC19ADDWZ000	BODY PACKING	1	
10	AC01ADDWZMUJ	BODY NOZZLE HOUSING (DECO)	1	
11	AC10ADDWZV07	FURNITURE GUARD	1	
12	AC70QDDWZV07	FOOT PEDAL	1	
13	AC16UDDWZV07	SHIFT LEVER	1	
14	AC55VDDWZV07	CONNECTOR PIN	1	
15	AC10DDDWZ000	SLIDE PIECE	1	
16	AC23FBVNZ000	RING CLIP	1	
17	AC43AAFYZ00	BRACKET	1	
18	AC47ADAAZM0E	PEDAL	1	
19	AC58AAFVZ00	PEDAL SPRING	1	
20	AMC51A-YUZ0000	PEDAL SHAFT	1	
21	AXTN4+16BFY	SCREW	10	Shipped 10 per package
22	AC02ADDWZV07	UPPER BODY	1	
23	AC92SDDWZ000	AGITATOR ASSEMBLY	1	
24	AC85RDDWZU01	BRUSH UNIT	6	
25	AC28SCZPZ000	BELT	1	
26	AC11ADDWZ000	FELT (UPPER)	1	
27	AC34PDDEZV06	NOZZLE HOSE	1	
28	AC76ADDWZ000	LEVER SUPPORT SPRING	1	
29	AMC68A-V30	SCREW (FOR BODY)	2	
30	AC91ADDWZV07	LOWER PLATE UNIT	1	

2.3. Handle

2.3.1. Exploded View

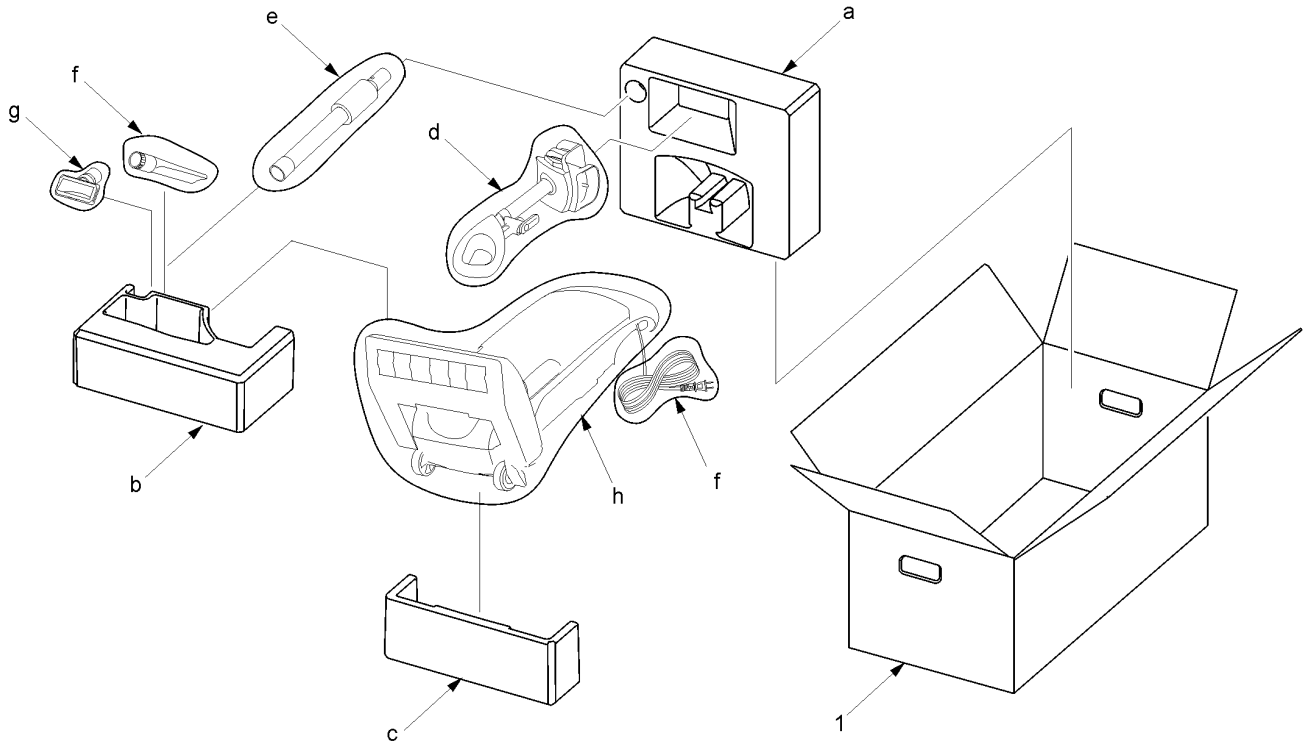


2.3.2. Parts List (Handle)

Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
1	AC93BDDWZV07	HANDLE GRIP UNIT	1	
2	AC01EDDWZ000	SWITCH ON-OFF	1	
3	AC53EDDWZV07	CORD HOOK	1	
4	AC06BDDWZV07	HANDLE COVER (A)	1	
5	AC07BDDWZV07	HANDLE COVER (B)	1	
6	AXTN4+16BFY	SCREW	5	Shipped 10 per package

2.4. Packing Materials

2.4.1. Exploded View



2.4.2. Parts List (Packing Materials)

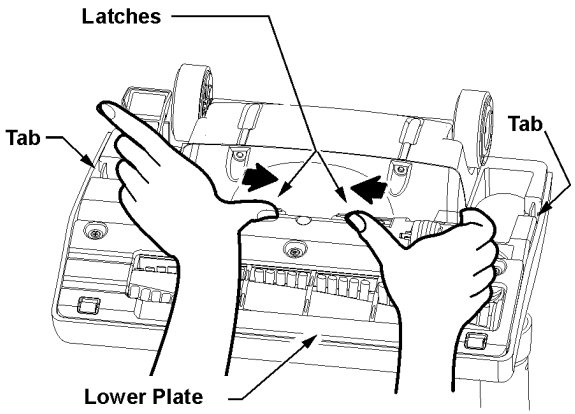
Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
1	AC61ZDDWZ000	Packing Assembly	1	Includes 1 and items a thru h

3 REPLACEMENT INSTRUCTIONS

3.1. Lower Plate Replacement

3.1.1. Removal

1. Before servicing any parts, disconnect vacuum from electrical outlet.
2. Place paper under nozzle whenever lower plate is removed to protect floor.
3. Place handle in upright position and turn vacuum over to expose lower plate.



4. Release lower plate by pressing two (2) latches inward.
5. Press on two (2) tabs inward and lift lower plate.
6. Remove lower plate and remove any residue that may exist in belt area.

3.1.2. Installation

1. Hook the front of the lower plate into the slots on the front of the nozzle housing. Press the lower plate down into place.
2. Fasten the lower plate by pushing the two (2) latches outward.
3. Ensure the two (2) tabs latched.

NOTE: For general servicing, it is necessary to eliminate pinching of any wire during reassembly. After servicing any electrical component or electrical enclosure, the unit should be reassembled and checked for dielectric breakdown or current leakage.

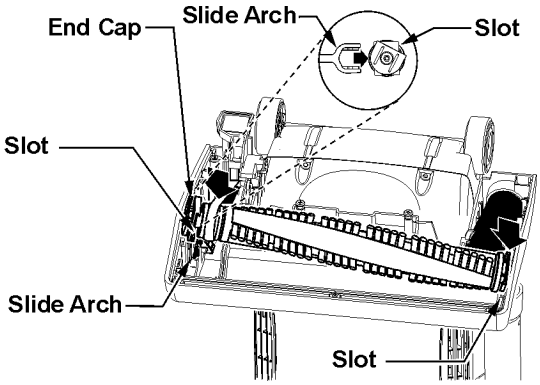
3.2. Agitator Assembly Replacement

3.2.1. Removal

1. The brushes are replaceable separately. When the brushes need replacing, the agitator assembly will have to be removed.
2. Remove the lower plate as outlined in the Lower Plate Replacement section.
3. Remove the agitator assembly as outlined in the Belt Replacement section. .

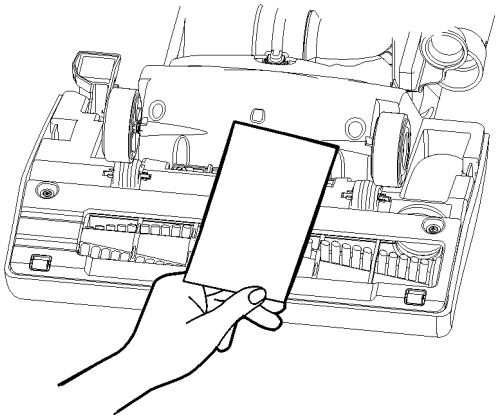
3.2.2. Installation

1. Place the belt around the motor shaft.



2. Place the belt around the agitator pulley on the agitator assembly.
3. Start the new agitator assembly back into the nozzle housing by placing the slide arch back into the agitator end cap, then the side opposite the belt partially into the nozzle housing slot. The small tabs should be aligned with the nozzle and the other against the lower plate. This will hold the agitator in place and leave both hands free to place enough tension on the belt to allow the other side of the agitator to return into the nozzle housing slot.
4. Use both hands to pull the belt tight, slide the agitator assembly firmly into the slots on each end of the nozzle housing.
5. Rotate the agitator assembly by hand to insure nothing rubs and to check for correct assembly.
6. Replace the lower plate as outlined in the Lower Plate Replacement section.

3.3. Brush Replacement

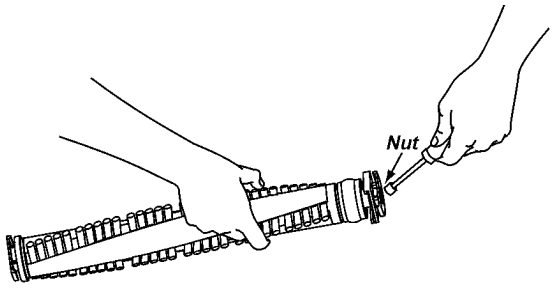


1. The agitator brushes should be replaced when the brushes are worn. Brushes should be checked by holding a card across the lower plate. If the bristles on the agitator assembly do not touch the card you should replace all the brushes for best cleaning results.

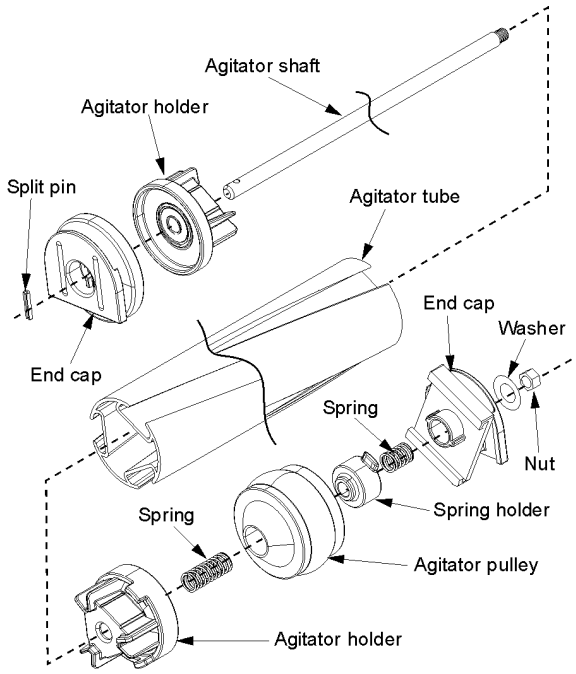
3.3.1. Removal

1. Remove the lower plate as outlined in the Lower Plate Replacement section.
2. Remove the agitator assembly as outlined in the Agitator Assembly Replacement section.

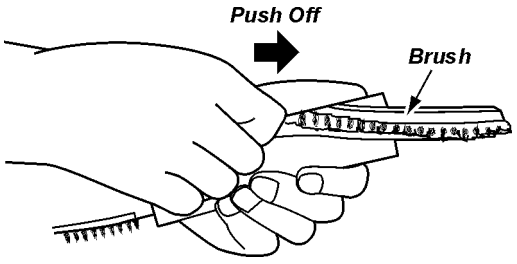
3. The agitator assembly may now be disassembled and the brushes replaced.
4. Carefully remove the nut from the agitator shaft as it will spring out.



5. Slide the washer, end cap, spring holder, agitator pulley, two springs and agitator holder off of the shaft. Pull the agitator shaft, opposite end cap and agitator holder out of the agitator tube.



6. Push each brush out of the agitator tube.

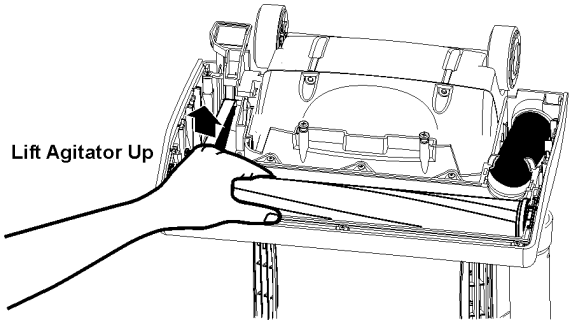


7. Install new brushes by reversing procedure.
8. Reassemble agitator as shown in the illustration.
9. Secure the assembly with the nut.
10. Position belt over agitator pulley on the agitator.
11. Reinstall agitator and lower plate.

3.4. Belt Replacement

3.4.1. Removal

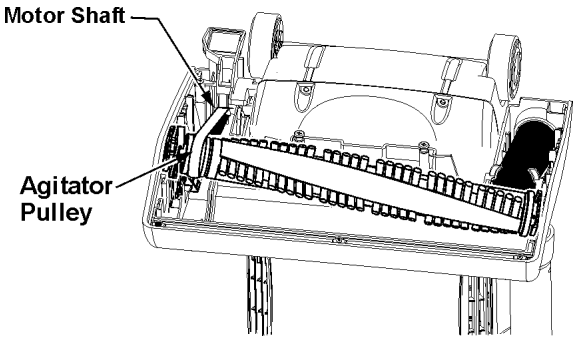
1. Remove lower plate.
2. Remove agitator by carefully lifting out.
3. Remove worn or broken belt.



4. Clean agitator.

3.4.2. Installation

1. Loop new belt (Panasonic Type UB8 only) around motor shaft and agitator pulley; see illustration for correct belt routing.

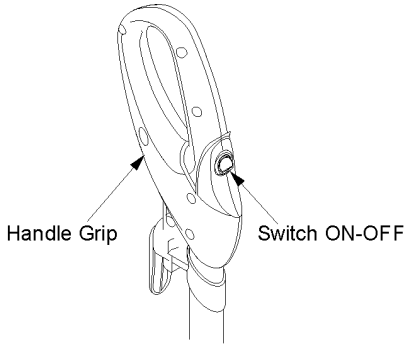


2. Reinstall slide arc into end cap slots, as outlined in the Agitator Assembly Replacement section.
3. Reinstall agitator back into nozzle housing grooves.
4. After reinstalling the agitator, turn it by hand to make sure that belt is not twisted or pinched and that all rotating parts turn freely.
5. Reinstall lower plate.

3.5. Switch ON-OFF Replacement

3.5.1. Removal

1. Remove six (6) screws from the handle grip unit to expose the electrical connections of the switch.



2. Unplug and remove damaged switch from the handle grip.

3.5.2. Installation

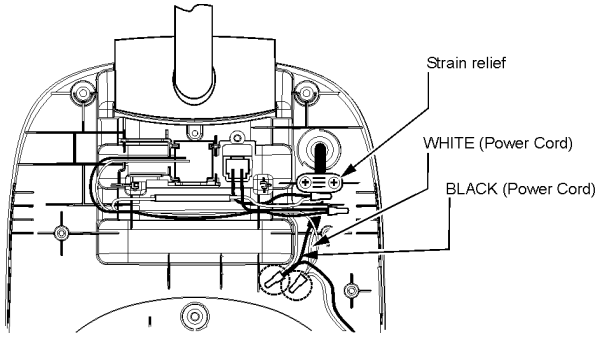
1. Connect the two lead wires on the new switch and place it on the handle grip unit.
2. Insert the six (6) screws back.

NOTE: For general servicing, it is necessary to eliminate pinching of any wire during reassembly. After servicing any electrical component or electrical enclosure, the unit should be reassembled and checked for dielectric breakdown or current leakage.

3.6. Power Cord Replacement

3.6.1. Removal

1. Remove the switch cover and dust cover to expose the electrical connections of the power cord.



2. Remove the strain relief (for power cord replacement) and cut the wire connections.
3. Pull the power cord out of the dust compartment (for power cord replacement).

3.6.2. Installation

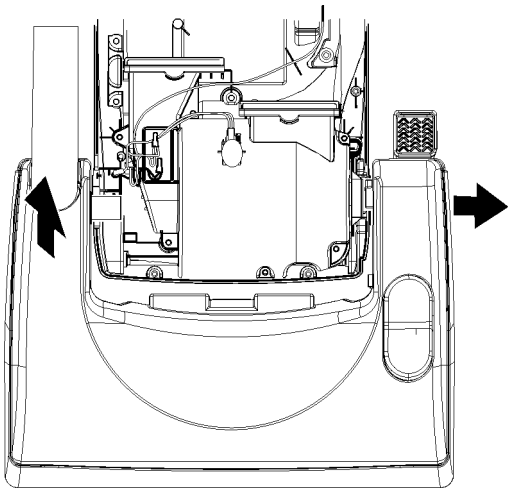
1. Insert the new power cord (power cord replacement only) into the dust compartment as far as necessary in order to place a new cord retainer in proper location on power cord. The proper location is approximately one and one eighth inches / thirty millimeters (1 1/8” / 30 mm) of new power cord outer jacket extending past the strain relief. Attach wires with wire connectors according to the wiring diagram in the front of this manual. ONLY USE A NEW STRAIN RELIEF, DO NOT REUSE A STRAIN RELIEF.
2. Replace the switch cover, the four (4) switch cover screws, and the dust cover. Care should be taken not to pinch wires and make sure that the switch cover goes on easily and stays flat. If there is resistance to the switch cover lying flat and in place, stop, remove the cover and make sure that no wires are being pinched. DO NOT USE A POWER SCREWDRIVER TO SECURE THE COVER.

NOTE: For general servicing, it is necessary to eliminate pinching of any wire during reassembly. After servicing any electrical component or electrical enclosure, the unit should be reassembled and checked for dielectric breakdown or current leakage.

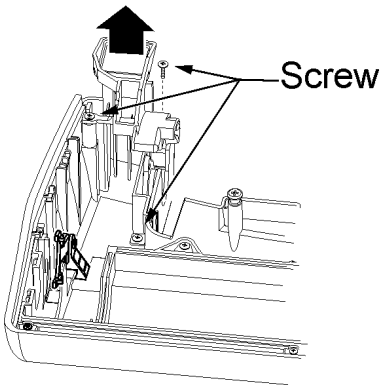
3.7. Handle Release Assembly

3.7.1. Removal

1. Turn the vacuum over and remove the lower plate, belt and agitator as outlined in their respective removal sections.
2. Remove the switch cover and dust cover to freely lift the nozzle housing and slide it out from the motor shaft.



3. Remove the three (3) screws that secure the handle release assembly to the nozzle housing.



4. Remove the handle release assembly by sliding it out from the nozzle housing.
5. Once handle release assembly is out it can be disassembled for parts replacement as shown in the Exploded View diagram.

3.7.2. Installation

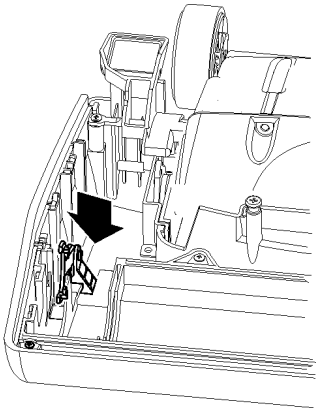
1. Slide the handle release assembly back into the slot in the nozzle housing.
2. Replace the three screws that hold the frame and pedal shaft onto the nozzle housing.
3. Replace the nozzle housing.
4. Install and secure the switch cover and dust cover.
5. Install the belt, agitator assembly, and the lower plate according to the respective instructions.

NOTE: For general servicing, it is necessary to eliminate pinching of any wire during reassembly. After servicing any electrical component or electrical enclosure, the unit should be reassembled and checked for dielectric breakdown or current leakage.

3.8. Carpet/Bare Floor Assembly

3.8.1. Removal

1. Turn the vacuum over and remove the lower plate, belt and agitator as outlined in their respective removal sections.
2. Push down on the carpet/bare floor pedal assembly to remove it from the nozzle housing.



3. Once the carpet/bare floor pedal assembly is out it can be disassembled for parts replacement as shown in the Exploded View diagram.

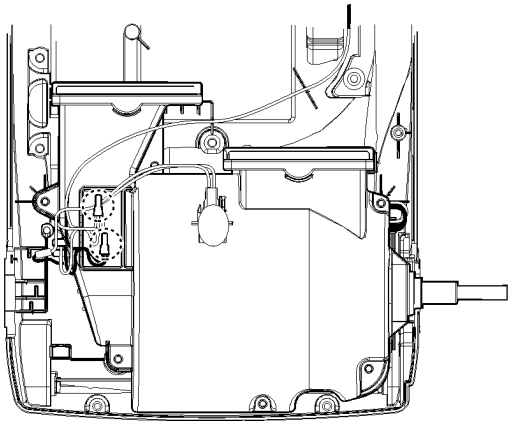
3.8.2. Installation

1. Slide the carpet/bare floor assembly back into the pins in the nozzle housing.
2. Install the belt, agitator assembly, and the lower plate according to the respective instructions.

3.9. Motor Replacement

3.9.1. Removal

1. Remove the switch cover and dust cover to expose the electrical connections and the motor assembly.
2. Remove the lower plate, agitator assembly, belt, and the nozzle housing as instructed in the respective removal sections.



3. Disconnect the motor leads and remove the motor assembly.
4. Remove two air outlet packing and two screws from the motor assembly to open.
5. Remove noise suppressor, motor cap, and motor flange. Save these items to place them on the new motor.

3.9.2. Installation

1. Add a new seal impeller and body packing to the new motor.
2. Assemble the noise suppressor, motor cap, and motor flange onto new motor and place it into the air guide. Secure with two screws and insert the two air outlet

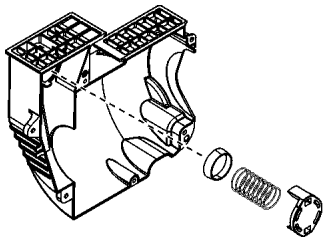
packing. Place the whole assembly in the dust compartment.

3. Rewire per the Pictorial Diagram.
4. Replace the nozzle housing as instructed in Handle Release Assembly sections and assemble the dust cover and switch cover.
5. Turn the vacuum back over and replace the belt, agitator assembly, and lower plate according to the respective installation instructions.

3.10. Motor Protector Replacement

3.10.1. Removal

1. Remove the motor assembly and open the motor assembly as out lined in the Motor Replacement section.



2. Using a flat screw driver remove the motor protector assembly.

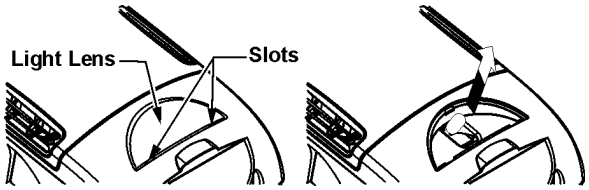
3.10.2. Installation

1. Install the new motor protector and reassemble the motor assembly as instructed in the Motor Replacement section.
2. Install the dust cover, switch cover, nozzle housing, belt, agitator and lower plate as instructed in the respective removal sections.

3.11. Headlight Bulb Replacement

3.11.1. Removal

1. Using a flat screwdriver pry up light lens at slots.



2. Remove old bulb from the socket by pulling straight out.

3.11.2. Installation

1. Install the new light bulb and replace light lens.